

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Applicant(s): Ping-Wen Ong  
Case: 11  
Serial No : 09/201,749  
Filing Date: December 1, 1998  
Group: 3694  
Examiner: Ella Colbert

Title: Method and Apparatus for Resolving Domain Names of Persistent Web Resources

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TRANSMITTAL LETTER

Mail Stop Appeal Brief Patents  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith are the following documents relating to the above-identified patent application:

- (1) Request to Reinstate Appeal;
- (2) Notice of Appeal; and
- (3) Appeal Brief.

The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to **Deposit Account No. 50-0762**. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Deposit Account No. 50-0762** as required to correct the error.

Respectfully,



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Date: June 25, 2007

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REQUEST TO REINSTATE APPEAL

Mail Stop Appeal Brief - Patents  
Commissioner for Patents  
P O. Box 1450  
Arlington, VA 22313-1450

Sir:

Applicants hereby request to reinstate the appeal. Applicants' Appeal Brief was submitted on December 1, 2006. A new Office Action was mailed on March 23, 2007.

The attention of the Examiner and the Appeal Board to this matter is appreciated.

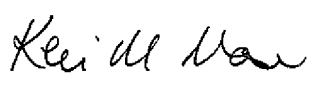
Respectfully,



Date: June 25, 2007

Kevin M. Mason  
Attorney for Applicant(s)  
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>NOTICE OF APPEAL FROM THE EXAMINER TO THE BOARD OF PATENT APPEALS AND INTERFERENCES</b>		Docket Number (Optional)  Ong 11	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to 'Assistant Commissioner for Patents Washington D C 20231 on _____  Signature _____ Typed or printed name _____		In re Application of <b>Ping-Wen Ong</b> Application Number <b>09/201,749</b> Filed <b>December 1, 1998</b> For Method and Apparatus for Resolving Domain Names of Persistent Web Resources Group Art Unit <b>3694</b> Examiner <b>Ella Colbert</b>	
<p>Applicant hereby <b>appeals</b> to the Board of Patent Appeals and Interferences from the last decision of the examiner.</p> <p>The fee for this Notice of Appeal is (37 CFR 1.17(b)) <span style="float: right;">\$ 500.00 (Prev. Paid)</span></p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Therefore, the fee shown above is reduced by half, and the resulting fee is: \$ _____</p> <p><input type="checkbox"/> A check in the amount of the fee is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p><input type="checkbox"/> The Commissioner has already been authorized to charge fees in this application to a Deposit Account. I have enclosed a duplicate copy of this sheet.</p> <p><input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. <u>50-0762</u>. I have enclosed a duplicate copy of this sheet.</p> <p><input type="checkbox"/> A petition for an extension of time under 37 CFR 1.136(a) (PTO/SB/22) is enclosed.</p> <p><b>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</b></p> <p>I am the</p> <p><input type="checkbox"/> applicant/inventor</p> <p><input type="checkbox"/> assignee of record of the entire interest See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)</p> <p><input checked="" type="checkbox"/> attorney or agent of record.</p> <p><input type="checkbox"/> attorney or agent acting under 37 CFR 1.34(a). Registration number if acting under 37 CFR 1.34(a) _____</p> <div style="text-align: right; margin-top: 20px;">         _____        Signature   <u>Kevin M. Mason</u>        Typed or printed name   <u>June 25, 2007</u>        Date     </div> <p>NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.</p>			
<input type="checkbox"/> *Total of _____ forms are submitted.			

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**5 Patent Application**

Applicant(s): Ping-Wen Ong  
Case: 11  
Serial No.: 09/201,749  
10 Filing Date: December 1, 1998  
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Examiner: Ella Colbert  
  
15 Title: Method and Apparatus for Resolving Domain Names of Persistent Web  
Resources

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20 APPEAL BRIEF

Mail Stop Appeal Brief - Patents  
Commissioner for Patents  
P.O. Box 1450  
25 Alexandria, VA 22313-1450

Sir:

Appellant hereby submits this Appeal Brief to appeal the non-final rejection dated  
30 March 23, 2007, of claims 1 through 28 of the above-identified patent application. Appellant  
also notes that the Examiner has failed to cite the Amstein patent (United States Patent No.  
5,793,966) in the Notice of References Cited (Form PTO-892). A request to reinstate the appeal  
is submitted herewith.

35 REAL PARTY IN INTEREST

The present application is assigned to Lucent Technologies Inc., as evidenced by  
an assignment recorded on February 25, 1999 in the United States Patent and Trademark Office  
at Reel 9805, Frame 0561. The assignee, Lucent Technologies Inc., is the real party in interest.

RELATED APPEALS AND INTERFERENCES

A Notice of Appeal was filed on June 12, 2002 in related United States Patent Application Serial No. 09/201,751 (Attorney Docket No. Ong 9) and an Appeal Brief was filed on October 21, 2002. An Examiner's Answer was issued on January 14, 2003 and a Reply Brief was filed on March 14, 2003. The patent application was abandoned on October 5, 2004. A Notice of Appeal was filed on January 24, 2002 in related United States Patent Application Serial No. 09/201,752 (Attorney Docket No. Ong 8) and an Appeal Brief was mailed on April 29, 2002. A new Office Action was mailed by the Examiner on August 1, 2002 in response to the Appeal Brief. A second Notice of Appeal was filed on March 12, 2003 in that related application and an Appeal Brief was submitted on May 19, 2003. An Examiner's Answer was mailed on July 11, 2003 and a Reply Brief was submitted on September 9, 2003. The patent application was returned to the Examiner on October 25, 2003 and a continuation patent application was filed on December 16, 2004 (United States Patent Application Number 11/014,342). A Notice of Appeal was also filed on March 12, 2003 in related United States Patent Application Serial No. 09/342,408 (Attorney Docket No. Ong 12) and an Appeal Brief was submitted on May 19, 2003. A new Office Action was mailed on July 30, 2003, a Request to Re-instate the Appeal and a Supplemental Appeal Brief was submitted on October 30, 2003, and a Reply Brief was submitted on March 29, 2004. A Decision on Appeal was mailed on February 22, 2005. An Amendment and RCE was submitted on April 22, 2005, a PreAppeal Brief was submitted on April 11, 2006, and the rejection was withdrawn on May 10, 2006. A Notice of Allowance was mailed on June 7, 2006 and the patent issued on October 10, 2006 as United States Patent Number 7,120,862 B1. A continuation patent application was filed on August 18, 2006 (United States Patent Application Number 11/506,534). A Notice of Appeal was also filed on March 12, 2003 in related United States Patent Application Serial No. 10/099,121 (Attorney Docket No. Ong 15) and an Appeal Brief was submitted on May 19, 2003. An Examiner's answer was mailed on July 11, 2003 and a Reply Brief was submitted on September 9, 2003. A Decision on Appeal was mailed on July 21, 2005. A Notice of Abandonment was mailed on November 10, 2005.

### STATUS OF CLAIMS

Claims 1 through 28 are presently pending in the above-identified patent application. Claims 1, 6, 8, 12, 15, 16, 20, 22, 26, and 28 remain rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter that applicant regards as the invention. Claims 1-3, 5-7, 9, 10, 12-16, 18, 20-24, and 26-28 remain rejected under 35 U.S.C. §103(a) as being unpatentable over Amstein et al. (United States Patent No. 5,793,966; hereinafter Amstein), and claim 8 remains rejected under 35 U.S.C. §103(a) as being unpatentable over Kanfi (United States Patent No. 5,559,991) in view of Amstein. Claims 1, 5, 8, 13, 15, 16, 22, and 28 are being appealed.

### STATUS OF AMENDMENTS

There have been no amendments filed subsequent to the non-final rejection.

### SUMMARY OF CLAIMED SUBJECT MATTER

Independent claim 1 is directed to a method for providing an electronic document, the electronic document having multiple versions, each of the versions identified by a creation time-stamp indicating a creation time of the corresponding version (page 4, line 6, to page 5, line 25), the method comprising the steps of: receiving a request for the electronic document, the request including a requested time-stamp indicating a time associated with a desired version of the electronic document and a requested domain name associated with the time-stamp (page 6, line 5, to page 7, line 17; page 9, line 20, to page 11, line 11); identifying as a function of the creation time-stamp and the requested time-stamp a desired version of the electronic document having a creation time corresponding to the requested time-stamp (page 7, lines 1-11); and identifying an address of the desired version of the electronic document stored on a server corresponding to the requested time-stamp as a function of the requested time-stamp and the requested domain name, wherein a server identified by the requested domain name does not provide the desired version at a time of the request and the identified server has a redirected domain name that is different than the requested domain name (page 7, lines 1-11; page 10, line 11, to page 11, line 11; FIGS. 5A and 5B).

Independent claim 8 is directed to a system (FIG. 1) for storing an electronic document having multiple versions, each of the versions identified by a creation time-stamp indicating a creation time of the corresponding version, the system comprising: a memory for storing the multiple versions of the electronic document in an archive of electronic documents; and a processor operatively coupled to the memory, the processor configured to: receive a request for the electronic document, the request including a requested domain name and a requested time-stamp indicating a time associated with a desired version of the electronic document (page 6, line 5, to page 7, line 17; page 9, line 20, to page 11, line 11); identify as a function of the creation time-stamp and the requested time-stamp a desired version of the electronic document having a creation time corresponding to the requested time-stamp (page 7, lines 1-11); and identify an address of the desired version of the electronic document corresponding to the requested time-stamp as a function of the requested time-stamp and the requested domain name, wherein a server identified by the requested domain name does not provide the desired version at a time of the request and the identified address has a redirected domain name that is different than the requested domain name (page 7, lines 1-11; page 10, line 11, to page 11, line 11; FIGS. 5A and 5B).

Independent claim 15 is directed to an article of manufacture for accessing an electronic document, the electronic document having multiple versions, each of the versions being identified by a creation time-stamp indicating a creation time of the corresponding version, the article of manufacture comprising: a computer readable medium having computer readable program code means embodied thereon, the computer readable program code means comprising program code means for causing a computer to: receive a request for the electronic document, the request including a requested domain name and a requested time-stamp indicating a time associated with a desired version of the electronic document (page 6, line 5, to page 7, line 17; page 9, line 20, to page 11, line 11); identify as a function of the creation time-stamp and the requested time-stamp a desired version of the electronic document having a creation time corresponding to the requested time-stamp (page 7, lines 1-11); and identify an address of the desired version of the electronic document corresponding to the requested time-stamp as a function of the requested time-stamp and the requested domain name, wherein a server identified by the requested domain name does not provide the desired version at a time of the request and

the identified address has a redirected domain name that is different than the requested domain name (page 7, lines 1-11; page 10, line 11, to page 11, line 11; FIGS 5A and 5B).

Independent claim 16 is directed to a method for resolving a requested domain name is disclosed, the method comprising the steps of: receiving a request for an electronic document associated with the requested domain name, the electronic document having multiple versions, each of the versions being identified by a creation time-stamp indicating a creation time of the corresponding version (page 4, line 6, to page 5, line 25), the request including a requested time-stamp indicating a time associated with a desired version of the electronic document (page 6, line 5, to page 7, line 17; page 9, line 20, to page 11, line 11); identifying as a function of the creation time-stamp and the requested time-stamp a machine corresponding to a version of the requested domain name for a time period corresponding to the requested time-stamp, wherein a machine identified by the requested domain name does not provide the desired version at a time of the request and the identified machine has a redirected domain name that is different than the requested domain name; and transmitting an indication of the identified machine storing the electronic document corresponding to the requested time-stamp (page 7, lines 1-11; page 10, line 11, to page 11, line 11; FIGS 5A and 5B).

Independent claim 22 is directed to a system (FIG 1) for resolving a requested domain name, the system comprising: a memory for storing a database identifying a machine storing an electronic document corresponding to the requested domain name for a plurality of time periods; and a processor operatively coupled to the memory, the processor configured to: receive a request for an electronic document associated with the requested domain name, the electronic document having multiple versions, each of the versions being identified by a creation time-stamp indicating a creation time of the corresponding version (page 4, line 6, to page 5, line 25), the request including a requested time-stamp indicating a time associated with a desired version of the electronic document (page 6, line 5, to page 7, line 17; page 9, line 20, to page 11, line 11); access the database as a function of the creation time-stamp and the requested time-stamp to identify a machine corresponding to a version of the domain name for a time period corresponding to the requested time-stamp, wherein a machine identified by the requested domain name does not provide the desired version at a time of the request and the identified machine has a redirected domain name that is different than the requested domain name; and



transmit an indication of the identified machine storing the electronic document corresponding to the requested time-stamp (page 7, lines 1-11; page 10, line 11, to page 11, line 11; FIGS. 5A and 5B).

5 Claims 5 and 13 are directed to an exemplary method that further comprises the step of transmitting the version of the electronic document with the most recent creation time-stamp preceding the requested time-stamp if a version of the electronic document does not exist with the requested time-stamp (page 7, lines 1-11)

10 Independent claim 28 is directed to an article of manufacture for resolving a requested domain name, the article of manufacture comprising: a computer readable medium having computer readable program code means embodied thereon, the computer readable program code means comprising program code means for causing a computer to: receive a request for an electronic document associated with the requested domain name, the electronic document having multiple versions, each of the versions being identified by a creation time-stamp indicating a creation time of the corresponding version (page 4, line 6, to page 5, line 25),  
15 the request including a requested time-stamp indicating a time associated with a desired version of the electronic document (page 6, line 5, to page 7, line 17; page 9, line 20, to page 11, line 11); identify as a function of the requested time-stamp a server corresponding to a version of the domain name, wherein the version of the domain name is associated with a time period corresponding to the requested time-stamp, wherein a machine identified by the requested  
20 domain name does not provide the desired version at a time of the request and the identified machine has a redirected domain name that is different than the requested domain name; identify a server associated with the domain name as a function of the requested time-stamp; transmit an indication of the identified machine storing the electronic document corresponding to the time-stamp (page 7, lines 1-11; page 10, line 11, to page 11, line 11; FIGS. 5A and 5B).

25

#### STATEMENT OF GROUNDS OF REJECTION TO BE REVIEWED ON APPEAL

Claims 1, 6, 8, 12, 15, 16, 20, 22, 26, and 28 are rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter that applicant regards as the invention. Claims 1, 5, 13, 15, 16, 22, and 28 are  
30 rejected under 35 U.S.C. §103(a) as being unpatentable over Amstein.

## ARGUMENTS

### Drawings

The drawings are objected to because FIG. 2 is not within the margin guidelines and FIGS. 2 and 6 are informal drawings.

5 Appellant proposes to submit formal drawings that address the Examiner's concerns upon resolution of the appeal.

### Section 112 Rejections

10 Claims 1, 6, 8, 12, 15, 16, 20, 22, 26, and 28 are rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter that applicant regards as the invention. Regarding claim 1 (and claims 15, 16, 22, and 28), the Examiner asserts that there is insufficient antecedent basis for the limitation "a time." Regarding claim 8 (and claims 15, 16, 22, and 28), the Examiner asserts that there is insufficient antecedent basis for the limitations "a time" and "a desired version." Regarding claim 6, the Examiner asserts that the limitation "request is specified using a browser" is vague and unclear (as to) what "request is specified using a browser "

15 Regarding the antecedent basis rejections, Appellant notes that the cited limitations "a time" and "a desired version" are introducing the terms in the claims for the first time and thus cannot lack antecedent basis. Appellant also notes that all instances of the terms "a time" refer to different times (although the times may have equal value), and that the instances of the terms "a desired version" refer to different desired versions (although one or more of the instances of a desired version may identify the same document).

20 Regarding the Examiner's assertion that the cited limitation ("request is specified using a browser") is vague and unclear, Appellant notes that there is only one instance of a request recited in claim 1, i.e. "a request for said electronic document," and thus the cited term is clear. The terms suggested by the Examiner, i.e., "requested timestamp" and "requested version," refer to a timestamp and version, respectively, and *not* to a "request."

25 Appellant respectfully requests withdrawal of the rejections under 35 U.S.C. §112, second paragraph.

Independent Claims

Independent claims 1, 15, 16, 22, and 28 were rejected under 35 U.S.C. §103(a) as being unpatentable over Amstein, and independent claim 8 was rejected under 35 U.S.C. §103(a) as being unpatentable over Kanfi in view of Amstein. With regard to claim 1, for  
5 example, the Examiner asserts that Amstein teaches all of the limitations (except that “the server is identified by the requested domain name” recited by claim 1). In particular, the Examiner asserts that Amstein discloses receiving a request for the electronic document, the request including a requested time-stamp indicating a time associated with a desired version of the  
10 electronic document and a requested domain name associated with said time-stamp (col. 19, lines 45-65); identifying as a function of said creation time-stamp and said requested time-stamp a desired version of said electronic document having a creation time corresponding to said requested time-stamp (col. 19, line 57, to col. 20, line 23); and identifying an address of said  
15 desired version of said electronic document stored on a server corresponding to the requested time-stamp as a function of said requested time-stamp and said requested domain name (col. 18, line 65, to col. 20, line 42; FIGS. 6A-6C), wherein a server identified by the requested domain name does not provide said desired version at a time of said request and said identified server has a redirected domain name that is different than said requested domain name (col. 24, lines 32-60; FIGS. 9 and 10).

First, Appellant notes that, in the text cited by the Examiner, Amstein teaches  
20 about the “attributes stored with the web meta information” (Col. 19, lines 45-65.) Appellant also notes that the cited web meta information is stored (col. 17, lines 55-col. 18, line 9) and updated (col. 24, lines 25-60). Amstein does *not*, however, disclose or suggest that the request includes a requested time-stamp indicating a time associated with a desired version of the electronic document or a requested domain name associated with said time-stamp

25 Second, Amstein’s disclosure regarding the “attributes stored with the web meta information” (col. 19, line 57, to col. 20, line 23) does *not* disclose or suggest identifying as a function of said creation time-stamp and said requested time-stamp a desired version of said electronic document *having a creation time corresponding to said requested time-stamp*, and does *not* disclose or suggest identifying an address of said desired version of said electronic  
30 document stored on a server *corresponding to the requested time-stamp as a function of said*

requested time-stamp and said requested domain name

Finally, Appellant notes that the present invention provides a persistent domain name server that allows a user to refer to historical Web resources, for example, following a corporate merger or domain name change. If company A is merged into company B, all the web pages referred through "www A com" may no longer be valid. The disclosed persistent domain name server utilizes the dated URL to determine where the historical information of company A is located for the requested time period and translates the request to a new machine containing the historical information of company A. See, Summary, final paragraph, and page 9, line 20, to page 11, line 11.

Amstein does **not** address the situation of redirecting a request containing a requested time stamp to a new domain, when the requested domain name no longer exists. Each of the independent claims emphasize that "a server identified by said requested domain name does not provide said desired version at a time of said request and said identified server has a redirected domain name that is different than said requested domain name." In fact, no suggestion can be found in Amstein of redirecting a first requested domain www A com to a new domain name www B.com.

As discussed in the specification on page 10, if company A is now part of company B (for example, following a merger), and a user requests the following URL, "http://www A.com?time=2+2+1992," the "server identified by said requested domain name does not provide said desired version at a time of said request." Thus, the request will be redirected to "123.2.3.222 redirect" (associated with company B), such that the "identified server has a redirected domain name that is different than said requested domain name."

In the text cited by the Examiner, Amstein teaches that "the document *meta information file is updated*." (Col. 24, lines 32-60; emphasis added) Appellant could find no disclosure or suggestion by Amstein that *the requested domain name is different than the domain name of the identified server*, or *receiving a request* for an electronic document, and *identifying an address or machine of a desired version of said electronic document stored on a server corresponding to the requested time-stamp* (as a function of said requested time-stamp and said requested domain name), *wherein the identified server has a redirected domain name that is different than the requested domain name*.

Thus, Amstein does not disclose or suggest that “a server identified by said requested domain name does not provide said desired version at a time of said request and said identified server has a redirected domain name that is different than said requested domain name,” as required by each of the independent claims, does not disclose or suggest receiving a request for said electronic document, said request including a requested time-stamp indicating a time associated with a desired version of said electronic document and a requested domain name associated with said time-stamp; identifying as a function of said creation time-stamp and said requested time-stamp a desired version of said electronic document having a creation time corresponding to said requested time-stamp; and identifying an address of said desired version of said electronic document stored on a server corresponding to said requested time-stamp as a function of said requested time-stamp and said requested domain name, wherein a server identified by said requested domain name does not provide said desired version at a time of said request and said identified server has a redirected domain name that is different than said requested domain name, as required by independent claims 1, 8, and 15, and does not disclose or suggest receiving a request for an electronic document associated with said requested domain name, said electronic document having multiple versions, each of said versions being identified by a creation time-stamp indicating a creation time of said corresponding version, said request including a requested time-stamp indicating a time associated with a desired version of said electronic document; identifying as a function of said creation time-stamp and said requested time-stamp a machine corresponding to a version of said requested domain name for a time period corresponding to said requested time-stamp, wherein a machine identified by said requested domain name does not provide said desired version at a time of said request and said identified machine has a redirected domain name that is different than said requested domain name; and transmitting an indication of said identified machine storing said electronic document corresponding to said requested time-stamp, as required by independent claim 16, 22, and 28.

Appellant thus respectfully requests the withdrawal of the rejection under Section 103.

Claims 5 and 13

Claims 5 and 13 are rejected under 35 U.S.C. §103(a) as being unpatentable over Amstein. With regard to claims 5 and 13, the Examiner asserts that Amstein discloses

transmitting the version of said electronic document with the most recent creation time-stamp preceding the requested time-stamp if a version of the electronic document does not exist with the requested time-stamp (col. 17, line 55, to col. 18, line 16).

5 As noted above, Amstein does *not* disclose or suggest requests containing time-stamps, and Appellant could find *no* disclosure or suggestion in Amstein of transmitting the version of said electronic document with the most recent creation time-stamp preceding the requested time-stamp if a version of the electronic document does not exist with the requested time-stamp.

10 Thus, Amstein does not disclose or suggest transmitting the version of said electronic document with the most recent creation time-stamp preceding the requested time-stamp if a version of the electronic document does not exist with the requested time-stamp, as required by claim 5 and 13.

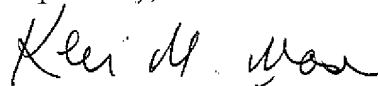
Conclusion

15 The rejections of the cited claims under section 103 in view of Amstein and Kanfi, alone or in any combination, are therefore believed to be improper and should be withdrawn. The remaining rejected dependent claims are believed allowable for at least the reasons identified above with respect to the independent claims.

The attention of the Examiner and the Appeal Board to this matter is appreciated.

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Respectfully,



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Date: June 25, 2007

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APPENDIX

1. A method for providing an electronic document, said electronic document having multiple versions, each of said versions identified by a creation time-stamp indicating a creation time of said corresponding version, said method comprising the steps of:

5 receiving a request for said electronic document, said request including a requested time-stamp indicating a time associated with a desired version of said electronic document and a requested domain name associated with said time-stamp;

10 identifying as a function of said creation time-stamp and said requested time-stamp a desired version of said electronic document having a creation time corresponding to said requested time-stamp; and

15 identifying an address of said desired version of said electronic document stored on a server corresponding to said requested time-stamp as a function of said requested time-stamp and said requested domain name, wherein a server identified by said requested domain name does not provide said desired version at a time of said request and said identified server has a redirected domain name that is different than said requested domain name.

2. The method according to claim 1, wherein an address identifying said electronic document includes said creation time-stamp.

20 3. The method according to claim 2, wherein said address is a Uniform Resource Locator ("URL").

25 4. The method according to claim 3, wherein said Uniform Resource Locator ("URL") has an associated request header for indicating said requested time-stamp.

30 5. The method according to claim 1, further comprising the step of transmitting the version of said electronic document with the most recent creation time-stamp preceding the requested time-stamp if a version of said electronic document does not exist with the requested time-stamp.

6. The method according to claim 1, wherein said request is specified using a browser.

7. The method according to claim 1, wherein said requested time-  
5 stamp is a relative time-stamp.

8. A system for storing an electronic document having multiple versions, each of said versions identified by a creation time-stamp indicating a creation time of said corresponding version, said system comprising:

10 a memory for storing said multiple versions of said electronic document in an archive of electronic documents; and

a processor operatively coupled to said memory, said processor configured to:

receive a request for said electronic document, said request including a requested domain name and a requested time-stamp indicating a time associated with a desired version of  
15 said electronic document;

identify as a function of said creation time-stamp and said requested time-stamp a desired version of said electronic document having a creation time corresponding to said requested time-stamp; and

20 identify an address of said desired version of said electronic document corresponding to said requested time-stamp as a function of said requested time-stamp and said requested domain name, wherein a server identified by said requested domain name does not provide said desired version at a time of said request and said identified address has a redirected domain name that is different than said requested domain name.

25 9. The system according to claim 8, wherein an address identifying said electronic document includes said creation time-stamp.

10. The system according to claim 9, wherein said address is a Uniform Resource Locator ("URL").

30



11. The system according to claim 10, wherein said Uniform Resource Locator ("URL") has an associated request header for indicating said requested time-stamp.

12. The system according to claim 8, wherein said request is specified  
5 using a browser.

13. The system according to claim 8, wherein said processor is further configured to transmit the version of said electronic document with the most recent creation time-stamp preceding the requested time-stamp if a version of said electronic document does not  
10 exist with the requested time-stamp.

14. The system according to claim 8, wherein said requested time-stamp is a relative time-stamp.

15. An article of manufacture for accessing an electronic document, said electronic document having multiple versions, each of said versions being identified by a creation time-stamp indicating a creation time of said corresponding version, said article of manufacture comprising:

a computer readable medium having computer readable program code means embodied thereon, said computer readable program code means comprising program code means for causing a computer to:

receive a request for said electronic document, said request including a requested domain name and a requested time-stamp indicating a time associated with a desired version of said electronic document;

25 identify as a function of said creation time-stamp and said requested time-stamp a desired version of said electronic document having a creation time corresponding to said requested time-stamp; and

identify an address of said desired version of said electronic document corresponding to said requested time-stamp as a function of said requested time-stamp and said  
30 requested domain name, wherein a server identified by said requested domain name does not

provide said desired version at a time of said request and said identified address has a redirected domain name that is different than said requested domain name.

16. A method for resolving a requested domain name, said method  
5 comprising the steps of:

receiving a request for an electronic document associated with said requested domain name, said electronic document having multiple versions, each of said versions being identified by a creation time-stamp indicating a creation time of said corresponding version, said request including a requested time-stamp indicating a time associated with a desired version of  
10 said electronic document;

identifying as a function of said creation time-stamp and said requested time-stamp a machine corresponding to a version of said requested domain name for a time period corresponding to said requested time-stamp, wherein a machine identified by said requested domain name does not provide said desired version at a time of said request and said identified  
15 machine has a redirected domain name that is different than said requested domain name; and

transmitting an indication of said identified machine storing said electronic document corresponding to said requested time-stamp.

17. The method according to claim 16, wherein an address identifying  
20 said electronic document includes said creation time-stamp.

18. The method according to claim 17, wherein said address is a Uniform Resource Locator ("URL").

25 19. The method according to claim 18, wherein said Uniform Resource Locator ("URL") has an associated request header for indicating said requested time-stamp.

20. The method according to claim 16, wherein said request is specified using a browser.

30

21. The method according to claim 16, wherein said requested time-stamp is a relative time-stamp.

22. A system for resolving a requested domain name, said system  
5 comprising:

a memory for storing a database identifying a machine storing an electronic document corresponding to said requested domain name for a plurality of time periods; and

a processor operatively coupled to said memory, said processor configured to:

10 receive a request for an electronic document associated with said requested domain name, said electronic document having multiple versions, each of said versions being identified by a creation time-stamp indicating a creation time of said corresponding version, said request including a requested time-stamp indicating a time associated with a desired version of said electronic document;

15 access said database as a function of said creation time-stamp and said requested time-stamp to identify a machine corresponding to a version of said domain name for a time period corresponding to said requested time-stamp, wherein a machine identified by said requested domain name does not provide said desired version at a time of said request and said identified machine has a redirected domain name that is different than said requested domain name; and

20 transmit an indication of said identified machine storing said electronic document corresponding to said requested time-stamp.

23. The system according to claim 22, wherein an address identifying said electronic document includes said creation time-stamp.

25

24. The system according to claim 23, wherein said address is a Uniform Resource Locator ("URL").

25 The system according to claim 24, wherein said Uniform Resource  
30 Locator ("URL") has an associated request header for indicating said requested time-stamp.

26. The system according to claim 22, wherein said request is specified using a browser.

27. The system according to claim 22, wherein said requested time-  
5 stamp is a relative time-stamp.

28. An article of manufacture for resolving a requested domain name, said article of manufacture comprising:

a computer readable medium having computer readable program code means  
10 embodied thereon, said computer readable program code means comprising program code means for causing a computer to:

receive a request for an electronic document associated with said requested domain name, said electronic document having multiple versions, each of said versions being identified by a creation time-stamp indicating a creation time of said corresponding version, said  
15 request including a requested time-stamp indicating a time associated with a desired version of said electronic document;

identify as a function of said requested time-stamp a server corresponding to a version of said domain name, wherein said version of said domain name is associated with a time period corresponding to said requested time-stamp, wherein a machine identified by said  
20 requested domain name does not provide said desired version at a time of said request and said identified machine has a redirected domain name that is different than said requested domain name;

identify a server associated with said domain name as a function of said requested time-stamp;

25 transmit an indication of said identified machine storing said electronic document corresponding to said time-stamp.

29. (Withdrawn) A method for identifying a domain of an electronic document, said method comprising the steps of:

30 receiving a request for said electronic document, said request including a

requested time-stamp and a domain name, wherein said domain name is associated with a first domain for a first time period and a second domain for a second time period; and

identifying one of said first domain or said second domain utilizing a time indicated by said time-stamp.

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30. (Withdrawn) The method according to claim 29, wherein said request includes an address identifying said electronic document.

31. (Withdrawn) The method according to claim 30, wherein said  
10 address is a Uniform Resource Locator ("URL")

32. (Withdrawn) The method according to claim 31, wherein said Uniform Resource Locator ("URL") has an associated request header for indicating said requested time stamp.

15

33. (Withdrawn) The method according to claim 29, wherein said request is specified using a browser.

34. (Withdrawn) The method according to claim 29, wherein said  
20 requested time-stamp is a relative time-stamp.

35. (Withdrawn) The method according to claim 29, further comprising the step of identifying an address of said electronic document utilizing said identified domain

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EVIDENCE APPENDIX

There is no evidence submitted pursuant to § 1.130, 1.131, or 1.132 or entered by the Examiner and relied upon by appellant.

RELATED PROCEEDINGS APPENDIX

There are no known decisions rendered by a court or the Board in any proceeding identified pursuant to paragraph (c)(1)(ii) of 37 CFR 41.37.

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	1906345
<b>Application Number:</b>	09201749
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	1977
<b>Title of Invention:</b>	METHOD AND APPARATUS FOR RESOLVING DOMAIN NAMES OF PERSISTENT WEB RESOURCES
<b>First Named Inventor/Applicant Name:</b>	PING-WEN ONG
<b>Correspondence Address:</b>	Ryan, Mason & Lewis - 1300 Post Rd. Suite 205 Fairfield CT 06430 US - -
<b>Filer:</b>	Kevin M. Mason
<b>Filer Authorized By:</b>	
<b>Attorney Docket Number:</b>	11
<b>Receipt Date:</b>	25-JUN-2007
<b>Filing Date:</b>	01-DEC-1998
<b>Time Stamp:</b>	15:14:25
<b>Application Type:</b>	Utility

### Payment information:

Submitted with Payment	no
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### File Listing:

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Document Number	Document Description	File Name	File Size(Bytes)	Multi Part /.zip	Pages (if appl.)
1		1200-220_RequesttoReinstateAppeal.pdf	1160810	yes	23
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Miscellaneous Incoming Letter		1	2	
	Notice of Appeal Filed		3	3	
	Appeal Postponement of Oral Hearing Request		4	23	
Warnings:					
Information:					
Total Files Size (in bytes):			1160810		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					